



## WATER FIELD SECTION 1070

**1070.1 Scope.** To establish procedures for sampling or approving water intended for use in mixing and curing portland cement concrete, mortar and grout.

**1070.2 Apparatus.** One-half gallon [2 liter] clean plastic jug.

**1070.3 Procedure.** After a contractor or supplier has indicated his source of supply, a sample of water shall be obtained and submitted to the Laboratory for approval, except water supplies approved by the Missouri Department of Natural Resources may be approved for use without further testing. Also the District Operations Engineer may approve a water supply without testing if, in his judgment, the water is satisfactory for the intended use. This method of approval is to be used sparingly and only when the supply is familiar and its characteristics are known.

**1070.3.1** A sample of water is to consist of one-half gallon [2 liter] and is to be taken from the vicinity of where the water will be removed for use. Care should be taken to get representative samples, free of extraneous material such as sticks, leaves, etc.

**1070.3.2** Water samples are to be submitted to the Laboratory in one-half gallon [2 liter] plastic jugs and packed in a cardboard box. Plastic jugs, cardboard boxes, and filament strapping tape are available from the Headquarters garage stockroom. Ordinary masking tape and cellulose tape are not considered suitable for use on these boxes. The box is to be clearly marked as to contents, sender, and destination. The identification sheet, Form T-617, is to be inserted in a shipping envelope, Form T-658, and placed inside the box with the sample.